Docket Number: MIPS-19427A-007720

Combined Declaration and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled **Processor Having a Compare Extension of an Instruction Set Architecture**, the specification of which is attached hereto unless the following box is checked:

	0, 1999; pplication Number or PCT Internation (if applicable).	al Application Number 09/364,786;	and
I hereby state that I have rev amended by any amendmen	riewed and understand the contents of t referred to above.	the above identified specification, in	ncluding the claims, as
I acknowledge the duty to di	isclose information that is material to	patentability as defined in 37 C.F.R.	§ 1.56.
inventor's certificate, or § 36 United States listed below, a	ity benefits under 35 U.S.C. § 119(a)-65(a) of any PCT international applicand have also identified below any for ving a filing date before that of the app	ation, which designated at least one ceign application for patent or inventor	ountry other than the or's certificate, or PCT
Prior Foreign Application(s)	1		Priority Claimed
(Application No.)	(Country)	(Day/Month/Year Filed)	□ Yes □ No
(Application No.)	(Country)	(Day/Month/Year Filed)	□ Yes □ No
I hereby claim the benefit ur	nder 35 U.S.C. § 119(e) of any United	States provisional application(s) list	ted below.
(Application No.)	(Filing Date)		
(Application No.)	(Filing Date)		
international application des of this application is not disc first paragraph of 35 U.S.C.	nder 35 U.S.C. § 120 of any United Stagnating the United States, listed beloclosed in the prior United States or PC § 112, I acknowledge the duty to discame available between the filing date his application.	w and, insofar as the subject matter of T international application in the ma- close information that is material to p	of each of the claims namer provided by the natentability as defined
(Application No.)	(Filing Date)	(Status - patented, pe	nding, abandoned)
(Application No.)	(Filing Date)	(Status - patented, pe	nding, abandoned)



Appl. No.: 09/364,786 Docket No.: MIPS 19427A-007720

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

James F. Kurkowski, Esq., Reg. No. 35,923; Robert G. Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; Samuel L. Fox, Esq., Reg. No. 30,353; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michael A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; and Steven R. Ludwig, Esq., Reg. No. 36,203.

Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	
Radhika Thekkath	
Signature of sole or first inventor	Date
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U.S.A.	
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Appl. No.: 09/364,786 Docket No.: MIPS 19427A-007820

Full name of second inventor
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Signature of segond inventor
114100
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U.S.A.
Post Office Address
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Ying-wai Ho
Signature of third inventor Date
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Post Office Address
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Chandlee B. Harrell
Signature of fourth inventor Date
Signature of fourth inventor
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U.S.A.
Post Office Address
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Appl. No.: 09/364,786 Docket No.: MIPS 19427A-007820

Full name of second inventor	
G. Michael Uhler	
Signature of second inventor	Date
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Ying-wai Ho	
Signature of third inventor	Date
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Full name of fourth inventor	
Chandlee B. Harrell	
Signature of fourth investor 1/16/70	Date 200
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Citizenship	
U.S.A.	
Post Office Address	
15986 Montebello Road, Cupertino, California 95014	

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Certificate Under 37 C.F.R. § 3.73(b)

Applicant/Patent Owner: Thekkath et al.	R R	
Application No./Patent No.:09/364,786 Filed/Issue Date:July 30, 1999	RZ_E	:
Entitled: Processor Having A Compare Extension of an Instruction Set Architecture		IJ.
MIPS Technologies, Inc. (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university dovernment agency)		FOE
	9 2000 MAIL ROOF	NET
1. [X] the assignee of the entire right, title, and interest, or	RO	
2. [] an assignee of an undivided part interest	8	
in the patent application/patent identified above by virtue of either:		
A. [X] An Assignment from the inventor(s) of the patent application/patent identified above. The sassignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. OR	RECEIVED	
B. [] A chain of title from the inventor(s) of the patent application/patent identified above to the assignee as shown below:		
1. From: To: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.		
2. From: To: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. 3. From: To:	NG-7 2000	DECENED
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.	2000	凹
[] Additional documents in the chain of title are listed on a supplemental sheet.		
[X] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]	,	त
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.	<u> </u>	F): - 7
Date: 1-27-2000	E/JCW	
Name: Sandy Creighton	क्ष)
Title: Vice President, General Counsel & Secretary		
Signature: Sandy Creighton		

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) Radhika Thekkath, (2) G. Michael Uhler, (3) Ying-wai Hoand (4) Chandlee B. Harrell, the undersigned inventors hereby sell and assign to MIPS Technologies, Inc. (the Assign his/her entire right, title and interest, including the right to sue for past infringement and to collect for all passent and future damages:

check applicable box(es)

✓ for the United States of America (as defined in 35 U.S.C. 2002)

✓ and throughout the world,

(a) in the invention known as Processor Having A Compare Extension Of An Instruction Set Architecture for which application for patent in the United States of America has been executed by the undersigned on (1) \(\frac{1}{4} \) \(\frac{2000}{2000} \), (2) \(\frac{1}{4} \) \(\frac{2000}{2000} \), (3) \(\frac{1}{1} \) \(\frac{1}{1

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant James F. Kurkowski, Esquire, Registration No. 35,923 of MIPS TECHNOLOGIES, INC., 1225 Charleston Road, Mountain View, California 94043-1353; Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire,

Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; and Steven R. Ludwig, Esquire, Registration No. 36,203, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

	Date:	1/4/2000	Signature of Inventor:		Radhika Thekk	:>	
	Date:	114/00	Signature of Inventor:	-fr	G. Michael Uhl		
٥	Date:	1/4/2003	Signature of Inventor:	· · · · · · · · · · · · · · · · · · ·	Ying-wai Ho	16:	_
	Date:		Signature of Inventor:		Chandlee B. Ha	rrell	
	. •	·	• • .				
	State: <u>Ca</u>	lifornia					
	Subscribe	ed and sworn to before	e me this	_ day of		, 19	
		fornia) ta Clara) ŝŝ.		Notary Pul My Comm	blic ission Expires:		_ _
the p that on th	ersons w they exe e instru	ika Thekkath, G. whose names are secuted the same iment the persons instrument.	subscribed to the in their authori	and ling- e within zed capac	instrument and the	onally known nd acknowledg hat by their	to me to be ed to me signatures
WITNE	SS my ha	and official	seal.		-	PAOUEL LEE MILLER	

015.PTO MBR/agi RAQUEL LEE MILLER
Commission # 1210058
Notary Public - California
Santa Clara County
My Comm. Expires Feb 6, 2003

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) <u>Radhika Thekkath</u>, (2) <u>G. Michael Uhler</u>, (3) <u>Ying-wai Ho</u> and (4) <u>Chandlee B. Harrell</u>, the undersigned inventors hereby sell and assign to <u>MIPS Technologies</u>, <u>Inc.</u> (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

✓ for the United States of America (as defined in 35 U.S.C. § 100),

✓ and throughout the world,

(a) in the invention known as Proce	essor Having A Co	mpare Extension Of Ar	Instruction Set
Architecture for which application f	or patent in the Un	ited States of America ha	as been executed
by the undersigned on (1)	, (2)		
/////2000 (also known as	United States App	lication No. 09/364,78	6, filed July 30,
1999), in any and all applications th	nereon, in any and	all Letters Patent(s) the	refor, and

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant James F. Kurkowski, Esquire, Registration No. 35,923 of MIPS TECHNOLOGIES, INC., 1225 Charleston Road, Mountain View, California 94043-1353; Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire,

Registration No. 32,831; Michael A. Cimbala, Esquire, Registration No. 33,991; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; and Steven R. Ludwig, Esquire, Registration No. 36,203, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:	Signature of Inventor:	Radhika Thekkath
Date:	Signature of Inventor.	G. Michael Uhler
Date:	Signature of Inventor:	Ying-wai Ho
Date: 1/16/2000	Signature of Inventor:	Chandlee B. Harrell
Date: 1/10/2000	Witness:	year Starell
State: California		
Subscribed and sworn to before	e me this	_day of, 19
		•
		Notary Public My Commission Expires:

DO NOT FORWARD TO ASSIGNMENT BRANCH NOT FOR RECORDATION



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MIPS Technologies, Inc., a corporation of <u>Delaware</u> having a principal place of business at 1225 Charlest Roall Mountain View, CA 94043-1353, is assignee of the entire right, title and interest for the United State of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on (1) //4/00 , (2) //4/00 , (3) //4/00 , (4) //6/00 of an invention known as Processof Having A Compare Extension Of An Instruction Set Architecture (Attorney Docket No. 1942745-007720), which is disclosed and claimed in a patent application of the same title by the inventors (1) Radhika Thekkath, (2) G. Michael Uhler, (3) Ying-wai Ho and (4) Chandlee B. Harrell (said application filed on July 30, 1999 at the U.S. Patent and Trademark Office, having Application Number 09/364,786).

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: James F. Kurkowski, Registration No. 35,923; Robert Greene Sterne, Registration No. 28,912; Edward J. Kessler, Registration No. 25,688; Jorge A. Goldstein, Registration No. 29,021; Samuel L. Fox, Registration No. 30,353; David K.S. Cornwell, Registration No. 31,944; Robert W. Esmond, Registration No. 32,893; Tracy-Gene G. Durkin, Registration No. 32,831; Michael A. Cimbala, Registration No. 33,851; Michael B. Ray, Registration No. 33,997; Robert E. Sokohl, Registration No. 36,013; Eric K. Steffe, Registration No. 36,688, Michael Q. Lee, Registration No. 35,239; and Steven R. Ludwig, Registration No. 36,203. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

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Direct phone calls to 202-371-2600.

JUN - 1 2000

FOR: MIPS Technologies, Inc.

SIGNATURE: Sandy Creighton

BY: Sandy Creighton

TITLE: Vice President, General Counsel & Secretary

DATE: 1-27-2000

DATE: 1-27-2000

DATE: 1-27-2000

DATE: 1-27-2000

DATE: 1-27-2000

DATE: 1-27-2000